LISTING OF CLAIMS

This Listing of Claims replaces all prior versions and listings of claims in this application.

1. (Currently amended) A device for predistorting an input signal at an amplifier means [[(30)]], comprising a storage means [[(51)]], an offset adding means [[(50)]], and a controller ~~(52), characterized in that~~ , wherein

the storage means is adapted to store phase values; [[and]]

the offset adding means is a phase offset adding means for phase-shifting the input signal,

~~wherein~~ the storage means [[(51)]] and the phase offset adding means [[(50)]] are connected to the controller [[(52)]], which is adapted to retrieve at least one phase value from the storage means, and output an offset signal comprising the retrieved phase value to the phase offset adding means [[(50)]], which is adapted to add said offset signal to the input signal.

2. (Currently amended) The device according to claim 1, wherein the storage means comprises a lookup table ~~(53a, 53b, 53c)~~ comprising different gain levels and associated phase values, and the controller [[(52)]] is adapted to retrieve a phase value from the storage means [[(51)]] corresponding to a given gain level of the amplifier means [[(30)]].

3. (Currently amended) The device according to claim 1, wherein the storage means [[(51)]] is a memory comprising a look-up table ~~(53a, 53b, 53c)~~ comprising phase values relating to the change of the gain level of an amplifier means [[(30)]] from a first gain level to one or more additional gain levels.

4. (Original) The device according to claim 3, wherein the memory is rewritable.

5. (Currently Amended) The device according to claim 1, wherein the phase offset adding means [[(50)]] is a complex multiplier.

6. (Currently amended) The device according to claim 1, wherein each phase value stored in the storage means [[(51)]] corresponds to [[the]] a change in phase of

the output power when the gain level of the amplifier means [[(30)]] is changed from a first gain level to a second gain level.

7. (Currently amended) The device according to claim 6, wherein the first gain level is the lowest gain level, and the second gain level is any other gain level of the amplifier means [[(30)]].

8. (Currently amended) The device according to claim 1, wherein the device further comprises a temperature sensing means [[(60)]] connected to the controller [[(52)]] for deriving a temperature or a temperature interval, and the storage means [[(52)]] comprises a lookup table [[(53a, 53b, 53c)]] comprising gain levels and associated phase values for different temperatures or different temperature intervals, and the controller [[(52)]] is adapted to retrieve a temperature dependent phase value from the storage means [[(51)]] corresponding to a temperature or temperature interval and a given gain level of the amplifier means [[(30)]].

9. (Currently amended) The device according to claim 1, wherein the device further comprises a frequency indicator [[(70)]] for deriving an operating frequency value or an operating frequency interval value, and the storage means [[(52)]] comprises a lookup table (53a, 53b, 53c) comprising gain levels and associated phase values for different frequencies or different frequency intervals, and the controller [[(52)]] is adapted to retrieve a frequency dependent phase value from the storage means [[(51)]] corresponding to a frequency or frequency interval and a given gain level of the amplifier means [[(30)]].

[[12]] 10. (Currently amended) A method for predistorting an input signal at an amplifier means (30) comprising including a storage means (51), characterized by , comprising the steps of:

retrieving a phase value from a lookup table (53a, 53b, 53c) of the storage means [[(51)]] in response to changing [[the]] a gain level of the amplifier means [[(30)]]; and

adding an offset signal having a phase value corresponding to the retrieved phase value to said input signal.

[[13]] 11. (Currently amended) The method according to claim [[12]] 10, wherein the step of retrieving further comprises the steps of:

receiving a new gain level of the amplifier means [[(30)]]; and

retrieving a phase value associated with the new gain level from the look-up table (53a, 53b, 53c) of the storage means [[(51)]].

[[14]] 12. (Currently amended) The method according to claim [[12]] 10, wherein the phase value corresponding to [[the]] a basic gain level is zero.

[[15]] 13. (Currently amended) The method according to claim [[13]] 11, wherein the step of retrieving further comprises the steps of:

obtaining a temperature value or a temperature interval value; and

retrieving a temperature dependent phase value associated with the new gain level and the temperature or temperature interval from the lookup-table (53a, 53b, 53c) of the storage means [[(51)]].

[[16]] 14. (Currently amended) The method according to claim [[13]] 11, wherein the method comprises the further steps of:

obtaining a frequency value or a frequency interval value; and

retrieving a frequency dependent phase value associated with the new gain level and the frequency or frequency interval from the look-up table (53a, 53b, 53c) of the storage means (51.

[[17]] 15. (Currently amended) An electronic apparatus comprising a device [[(46)]] for predistorting an input signal at an amplifier means (30) according to any of the claims 1-11 claim 1.

[[18]] 16. (Currently amended) The apparatus according to claim [[17]] 15, wherein said equipment apparatus is a mobile terminal, a pager, or a communicator.

[[19]] 17. The apparatus according to claim [[17]] 15, wherein the equipment apparatus is a mobile telephone.